

1. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.

II. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4" - 8" HIGHER IN ELEVATION.

TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" -8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4".
SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS

IV. TOPSOIL SHALL NOT BE PLACE WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

1000 Som

Robert H. Vogel

Signature of Engineer

DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE THE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLIED

A. 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES SLOPES AND ALL SLOPES GREATER THAN 3:1. B. 14 CALENDAR DAYS FOR ALL OTHER DISTURBED AREAS.

PERMANENT SEEDING NOTES

WATER MANAGEMENT ADMINISTRATION

DETAIL 1 - EARTH DIKE

SUFFICIENT TO DRAIN

FLOW CHANNEL STABILIZATION

GRADE 0.5% MIN. 10% MAX

CONSTRUCTION SPECIFICATIONS

2. RUNOFF DIVERTED FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT

3. RUNOFF DIVERTED FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN

4. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONAL MATERIAL

SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER

5. THE DIKE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS

REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS

7. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT

8. INSPECTION AND MAINTENANCE MUST BE PROVIDED PERIODICALLY AND AFTER

GRADE TO AN OUTLET. SPOT ELEVATIONS MAY BE NECESSARY FOR GRADES LESS THAN 1%.

2. SEED AND COVER WITH EROSION CONTROL MATTING OR LINE WITH SOD.

3. 4" -- 7" STONE OR RECYCLED CONCRETE EQUIVALENT PRESSED INTO

1. ALL TEMPORARY EARTH DIKES SHALL HAVE UNINTERRUPTED POSITIVE

UNDISTURBED, STABILIZED AREA AT A NON-EROSIVE VELOCITY.

OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.

6. FILL SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.

IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIKE.

2:1 SLOPE OR FLATTER

CUT OR FILL SLOPE

THE SOIL 7" MINIMUM

FUNCTIONING OF THE DIKE.

EACH RAIN EVENT.

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

GRADE LINE

SEED AND COVER WITH STRAW MULCH.

2:1 SLOPE OR FLATTER

- EXCAVATE TO PROVIDE REQUIRED FLOW WIDTH

a-DIKE HEIGHT

c-FLOW WIDTH

d-FLOW DEPTH

DIKE A

18"

STANDARD SYMBOL A-2 B-3

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF 1) PREFERRED-APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/100 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS./ 1000 SQ.FT.) BEFORE SEEDING, HARROW OR DISC INTO UPPER THREE INCHES OF SOIL, AT THE TIME OF SEEDING, APPLY 400 LBS. PER ACRE

30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ.FT.) 2) ACCEPTABLE-APPLY 2 TONS PER ACRE DOLOMATIC LIMESTONE (92 LBS/ 1000 SQ.FT.) AND APPLY 1000 LBS. PER ACRE 10-10-10- FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING FOR THE PERIODS MARCH 1 THRU APRIL 30. AND AUGUST 1 THRU SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT).

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15. SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS. PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 1 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEDIMENT CONTROL NOTES

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

O' MINIMUM

CONSTRUCTION SPECIFICATION

3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. ** THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE

5. SURFACE WATER — ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.

6. LOCATION — A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE, VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CON—

F - 17 - 3

STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF

1. LENGTH - MINIMUM OF 50' (* 30' FOR A SINGLE RESIDENCE LOT).

FAMILY RESIDENCES TO USE GEOTEXTILE.

O BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED.

2. WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A

WIDTH

ACCRECATE OVER LENGTH

AND WIDTH OF STRUCTURE

50' MINIMUM ---

LENGTH

** GEOTEXTILE CLASS -

'C' OR BETTER

EXISTING GROUND

STANDARD SYMBOL

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

—— MOUNTABLE

- EARTH FILL

BERM (6" MIN.)

PIPE AS NECESSARY

PAVEMEN'

PAVEMENT

1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSE AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

2. ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

3. FOLLOWING INITIAL SOIL DISTURBANCE OR, REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3:1, (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE

4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, HOWARD COUNTY

5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. G). TEMPORARY STABILIZATION WITH MULCH ALONE SHALL BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

7. SITE ANALYSIS : AREA DISTURBED AREA TO BE ROOFED OR PAVED AREA TO BE VEGETATIVELY STABILIZED TOTAL CUT

ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE

9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

OFFSITE WASTE/BORROW AREA LOCATION

10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

* TO BE DETERMINED BY CONTRACTOR, WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT

STANDARD SYMBOL PROFILE ALONG CENTERLINE CONSTRUCTION SPECIFICATIONS 1. GABION INFLOW PROTECTION SHALL BE CONSTRUCTED OF 9' X 3' X 9" GABION BASKETS FORMING A TRAPEZOIDAL CROSS SECTION 1' DEEP, WITH 2:1 SIDE SLOPES, AND A 3' BOTTOM WIDTH. 2. GEOTEXTILE CLASS C SHALL BE INSTALLED UNDER ALL GABION BASKETS. 3. THE STONE USED TO FILL THE GABION BASKETS SHALL BE 4" - 7". 4. GABIONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. 5. GABION INFLOW PROTECTION SHALL BE USED WHERE CONCENTRATED FLOW IS PRESENT

ON SLOPES STEEPER THAN 4:1.

DETAIL 6 - GABION INFLOW PROTECTION

MARYLAND DEPARTMENT OF ENVIRONMENT U.S. DEPARTMENT OF AGRICULTURE WATER MANAGEMENT ADMINISTRATION 8 - 7 - 2SOIL CONSERVATION SERVICE **DETAIL 27 - ROCK OUTLET PROTECTION III** PLAN VIEW EXISTING STABILIZED FILTER CLOTH 1' MINIMUM

> 4. STONE FOR THE RIP-RAP OR GABION OUTLETS MAY BE PLACED BY EQUIPMENT. THEY SHALL BE CONSTRUCTED TO THE FULL COURSE THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. THE STONE FOR RIP-RAP OR GABION OUTLETS SHALL BE DELIVERED AND PLACED IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENEOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. RIP-RAP SHALL BE PLACED IN A MANNER TO PREVENT DAMAGE TO THE FILTER BLANKET OR GEOTEXTILE. HAND PLACEMENT WILL BE REQUIRED TO THE EXTENT NECESSARY TO PREVENT DAMAGE TO THE PERMANENT WORKS.

5. THE STONE SHALL BE PLACED SO THAT IT BLENDS IN WITH THE EXISTING GROUND. IF THE STONE IS PLACED TOO HIGH THEN THE FLOW WILL BE FORCED OUT OF THE CHANNEL AND SCOUR ADJACENT TO U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT

SOIL CONSERVATION SERVICE | F - 18' - 8A | WATER MANAGEMENT ADMINISTRATION

EMBEDDED A MINIMUM OF 4" AND **ROCK OUTLET PROTECTION** CONSTRUCTION SPECIFICATIONS 1. THE SUBGRADE FOR THE FILTER, RIP-RAP, OR GABION SHALL BE PREPARED TO THE REQUIRED LINES AND GRADES. ANY FILL REQUIRED IN THE SUBGRADE SHALL BE COMPACTED TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING UNDISTURBED MATERIAL. 2. THE ROCK OR GRAVEL SHALL CONFORM TO THE SPECIFIED GRADING LIMITS WHEN INSTALLED RESPECTIVELY IN THE RIP-RAP OR FILTER. 3. GEOTEXTILE SHALL BE PROTECTED FROM PUNCHING, CUTTING, OR TEARING. ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE SHALL BE REPAIRED BY PLACING ANOTHER PIECE OF GEOTEXTILE OVER THE DAMAGED PART OR BY COMPLETELY REPLACING THE GEOTEXTILE. ALL OVERLAPS WHETHER FOR REPAIRS OR FOR JOINING TWO PIECES OF GEOTEXTILE SHALL BE A MINIMUM OF ONE FOOT.

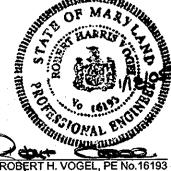
> DATE SEDIMENT AND EROSION CONTROL DETAILS MARY LANE

AGE RESTRICTED COMMUNITY PHASE I & PHASE II UNITS 1-22, COMMUNITY CENTER AND OPEN SPACE LOT 1

PARCEL '665 TAX MAP 47 BLOCK 6 6TH ELECTION DISTRIC HOWARD COUNTY, MARYLAND DEED REF.: L. 1068/F. 581, BA CASE NO. 03-17C

ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS · SURVEYORS PLANNERS 8407 MAIN STREET

ELLICOTT CITY, MARYLAND 21043 TEL: 410.461.7666 FAX: 410.461.8961



DETAIL 30 - EROSION CONTROL MATTING

CONSTRUCTION SPECIFICATIONS

NARROW TRENCH, 6" IN DEPTH. BACKFILL THE TRENCH AND TAMP FIRMLY TO

CONFORM TO THE CHANNEL CROSS-SECTION. SECURE WITH A ROW OF STAPLES

ABOUT 4" DOWN SLOPE FROM THE TRENCH. SPACING BETWEEN STAPLES IS 6".

2. STAPLE THE 4" OVERLAP IN THE CHANNEL CENTER USING AN 18" SPACING

3. BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE

4. STAPLES SHALL BE PLACED 2' APART WITH 4 ROWS FOR EACH STRIP, 2

5. WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF

6. THE DISCHARGE END OF THE MATTING LINER SHOULD BE SIMILARLY

THE TOP STRIP SHALL OVERLAP THE UPPER END OF THE LOWER STRIP BY 4". SHIPLAP FASHION. REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES

NOTE: IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING THEN THE AREA

SEQUENCE OF CONSTRUCTION

STARTING ANY WORK.

. INSTALL SUPER SILT FENCE

9. GRADE ROAD TO SUB-BASE

INSTALL SIDEWALK

FACII ITY

2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND

PERMITS (313-1880) AT LEAST 24 HOURS BEFORE

6. CONSTRUCT STORMWATER MANAGEMENT FACILITY (SEDIMENT

1-4 TO E-2 AND IMMEDIATELY STABALIZE AREA AROUND 1-4

BASIN) AND INSTALL BYPASS STORM DRAIN SYSTEM

7. AFTER OBTAINING PERMISSION FROM SEDIMENT CONTROL

8. BEGIN CONSTRUCTION OF SEWER , WATER & STORM

11. WITH CURB AND GUTTER IN PLACE PAVE ROAD AND

13. CONSTRUCT UNITS AND COMMUNITY CENTER

STABILIZE ANY REAMING DISTURBED AREAS

ADD PHASE II, UNITS 21 AND 22

17. INSTALL STREET TREES AND ALL LANDSCAPING

INSPECTOR TO PROCEED, DIVERT OFFSITE RUNOFF TO

10. WITH ROAD GRADED TO SUBE-BASE AND INLETS ARE IN

PLACE, BEGIN INSTALLATION OF CURB AND GUTTER

12. AT THE DIRECTION OF THE INPECTOR, RELOCATE SSF ALONG

14. FINALIZE SITE GRADING IN CONFORMANCE WITH THIS PLAN

MARY LANE TO PROVIDE SEDIMENT CONTROL FOR AREA LOTS

15. WITH INSPECTOR APPROVAL AND FINAL ROAD PAVING COMPLETE 3 DAYS

16. CONVERT SEDIMENT BASIN TO FINAL STORMWATER MANAGEMENT 1 WEEK

3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE

I-4 AND ROUGH GRADE SITE TO LOD.

MATTING IS SMOOTH AND IN FIRM CONTACT WITH THE SOIL.

OUTER ROWS, AND 2 ALTERNATING ROWS DOWN THE CENTER.

SECURED WITH 2 DOUBLE ROWS OF STAPLES.

EFFECTED BY THE FLOW MUST BE KEYED-IN.

SOIL CONSERVATION SERVICE

1. KEY-IN THE MATTING BY PLACING THE TOP ENDS OF THE MATTING IN A

TYPICAL STAPLES NO. 1 GAUGE WIRE

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DURATION

3 WEEKS

3 DAYS

1 WEEK

5 DAYS

1 WEEK

1 WEEK

2 MONTHS

1 WEEK

CROSS-SECTION

DESIGN BY: DRAWN BY: CHECKED BY: DATE: SCALE: W.O. NO.:

RHV/JT JANUARY, 200 1"=30" 03-21.00

POND #1 SCALE: 1"=5" 3'x3'x12' 225.00 EMBED 1' MIN. --BELOW GRADE 224.00 47'

GABION BASKET WEIR DETAIL

ENGINEER'S CERTIFICATE

10005

DEVELOPER'S CERTIFICATE "I/We certify that all development and construction will be done according to this plan of development for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on—site inspections by the Howard Soil Conservation District.

Signature of Developer (print name below signature) WILLIAM H KNOTT

These plans have been reviewed for HOWARD SOIL CONSERVATION DISTRICT and meets technical requirements for soil erosion and sediment control Tim Myers JSDA—Natural Respurces (American Service This development plan is approved for soil erosion and sediment

OWNER/DEVELOPER SK KING GEORGE LLC C/O WILLIAM KNOTT 15 WEST AYLESBURY ROAD TIMONIUM, MD 21093 (410) 308-2710

SHEET 8

as built

CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE

STABILIZATION SHOWN ON THE PLANS. CONSTRUCTION AND MATERIAL SPECIFICATIONS I. TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE

PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION. II. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:

SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE

REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY

TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR A SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAT 1 AND 1/2" IN

II. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED. III. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE

IN THE FOLLOWING PROCEDURES. II. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES: I. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION -SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE

DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO

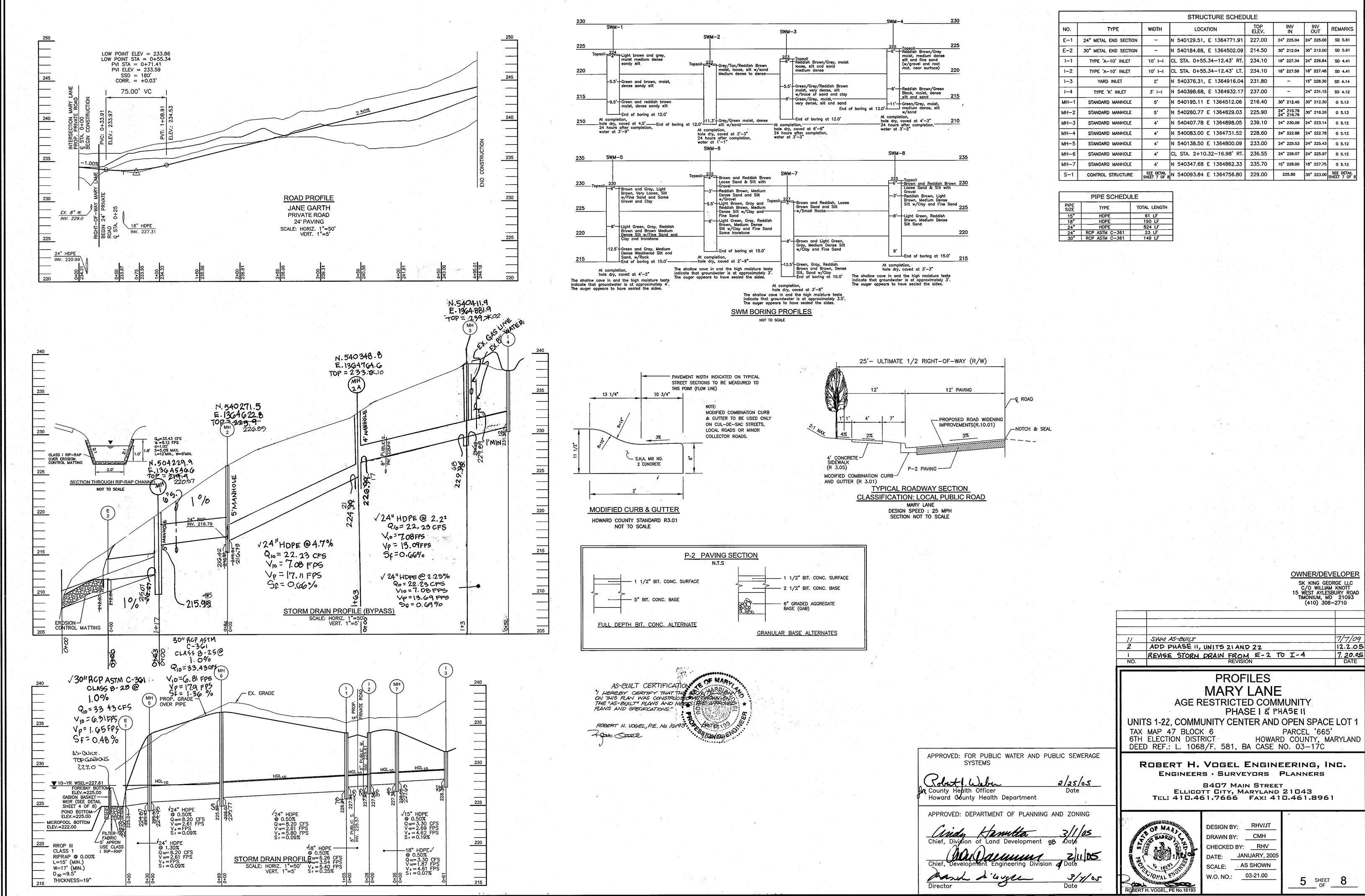
THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS Kobert J. Weben County Health Officer Howard County Health Department

APPROVED: DEPARTMENT OF PLANNING AND ZONING f Land Development 🚱

Chief, Division 3/4/05-

"I hereby certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.



5 SHEET 8

OWNER/DEVELOPER

SK KING GEORGE LLC C/O WILLIAM KNOTT 15 WEST AYLESBURY ROAD TIMONIUM, MD 21093

12.2.05 7. 20.05 DATE

INV OUT REMARKS

5" 228.30 SD 4.14

24" 231.15 SD 4.12

24" 222.78 G 5.12 24" 225.43 G 5.12

30" 223.00 SEE DETAIL

24" 225.97

30 212.40

24" 225.53

225.80

